

Applicant : Gilbert Wolrich et al.  
Serial No. : 10/057,738  
Filed : January 25, 2002  
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Attorney Docket: 10559-618001 / P12857

### REMARKS

The applicant thanks the Examiner for the telephone interview on April 9, 2004. The Examiner and the applicant discussed amendments that are reflected in the listing of claims above.

Adilleta (U.S. 6,606,704) does not disclose or suggest "pushing the data from the memory resources to the processing agent through the push bus, the memory resources obtaining access to the push bus based on arbitration by the push bus arbiter," as recited in amended claim 1. Similarly, Adilleta does not disclose or suggest "pulling the data from the processing agents and transfer to the memory resources through the pull bus, the memory resources obtaining access to the pull bus based on arbitration by the pull bus arbiter," as recited in claim 30.

Rather, Adilleta discloses an arbiter that arbitrates memory requests sent to a memory interface. "The memory requests are sent to SDRAM interface 110 via multiplexer 106. The multiplexer 106 is controlled by the SDRAM arbiter 91 which detects the fullness of each of the queues and the status of the requests and from that decides priority based on a programmable value stored in a priority service control register 100." (col. 16:66 to col. 17:4)

Adilleta does not disclose or suggest a push bus arbiter (or a pull bus arbiter) that arbitrate the use of a push bus (or a pull bus) by the memory resources, such that the memory resources obtain access to the push bus (or the pull bus) based on arbitration by the push bus arbiter (or the pull bus arbiter).

The remaining dependent claims are patentable for at least the same reasons as the claims on which they depend.

Claim 1-7, 13-14, 16-21, and 26-48 are pending. The applicant respectfully requests allowance of all pending claims.

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Please apply \$420.00 for excess claim fees and any other charges or credits to deposit account 06-1050, referencing attorney docket 10559-618001.

Respectfully submitted,

Date: 4/21/2004

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*\* See attached document certifying that Rex Huang has limited recognition to practice before the U.S. Patent and Trademark Office under 37 CFR § 10.9(b).*

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**Expires: May 16, 2004**



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Director of Enrollment and Discipline